

# Field Guide to the Special Status Plants of the Bureau of Land Management Twin Falls District, Jarbidge Field Office Area

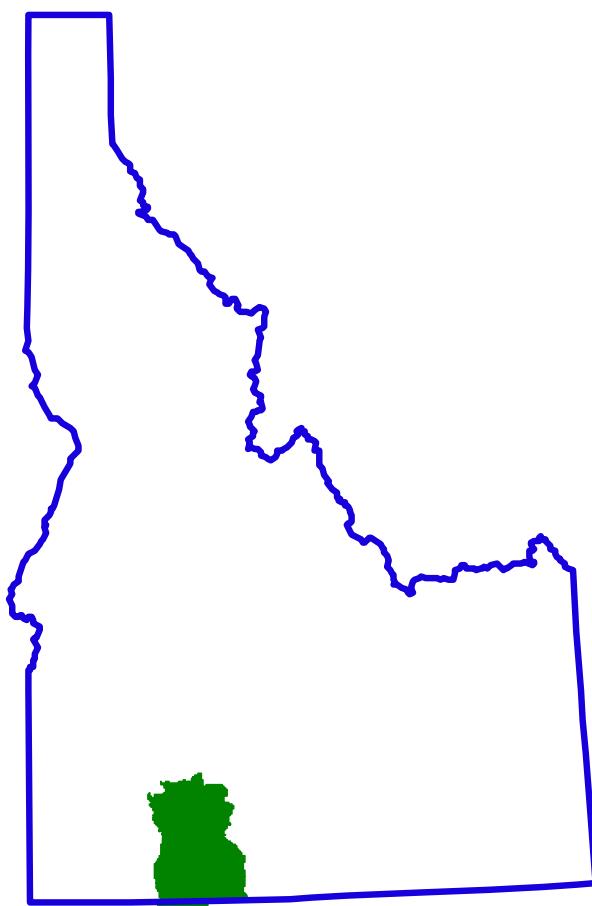
**BLM**

**Idaho State Office**

**Idaho Technical Bulletin 2006-01**  
BLM/ID/GI-06/009+1150



**Field Guide to the  
Special Status Plants of the  
Bureau of Land Management  
Twin Falls District, Jarbidge Field Office Area**



*Prepared by:  
Sheri Hagwood  
June 2006*

## **TABLE OF CONTENTS**

<b>INTRODUCTION.....</b>	iv
Distribution by Vegetation Type and Habitat.....	v
Distribution by Soil Characteristics and Hydrology.....	vii
 <b>Special Status Plants Listed by Scientific Name</b>	
<i>Allium anceps</i> .....	1
<i>Aspicilia fruticulosa</i> .....	3
<i>Astragalus newberryi</i> var. <i>castoreus</i> .....	5
<i>Astragalus purshii</i> var. <i>ophiogenes</i> .....	7
<i>Astragalus tetrapterus</i> .....	9
<i>Astragalus yoder-williamsii</i> .....	11
<i>Catapyrenium congestum</i> .....	13
<i>Chaenactis stevioides</i> .....	14
<i>Cleomella plocasperma</i> .....	18
<i>Cymopterus acaulis</i> var. <i>greeleyorum</i> .....	20
<i>Eatonella nivea</i> .....	23
<i>Epipactis gigantea</i> .....	24
<i>Erigeron latus</i> .....	27
<i>Eriogonum lewisii</i> .....	29
<i>Eriogonum ochrocephalum</i> var. <i>calcareum</i> .....	31
<i>Eriogonum shockleyi</i> var. <i>packardiae</i> .....	34
<i>Eriogonum shockleyi</i> var. <i>shockleyi</i> .....	36
<i>Glyptoplura marginata</i> .....	38
<i>Ipomopsis polycladon</i> .....	40
<i>Gilia polycladon</i> .....	40
<i>Lepidium davisii</i> .....	43
<i>Lepidium papilliferum</i> .....	45
<i>Leptodactylon glabrum</i> .....	48
<i>Nemacladus rigidus</i> .....	50
<i>Pediocactus simpsonii</i> var. <i>robustior</i> .....	52
<i>Penstemon janishiae</i> .....	54
<i>Peteria thompsoniae</i> .....	58
<i>Phacelia minutissima</i> .....	62
<i>Primula cusickiana</i> var. <i>cusickiana</i> .....	65
<i>Teucrium canadense</i> var. <i>occidentale</i> .....	67
<i>Texosporium sancti-jacobi</i> .....	69

## Special Status Plants Listed by Common Name

Alkali cleomella.....	18
American wood sage.....	67
Broadleaf fleabane .....	27
Bruneau River prickly phlox.....	48
Calcareous buckwheat .....	31
Chatterbox orchid.....	24
Coral lichen.....	3
Cusick's primula .....	65
Davis peppergrass .....	43
Desert pincushion.....	14
Earth lichen .....	13
Four-winged milkvetch.....	9
Greeley's wavewing.....	20
Janish penstemon .....	54
Least phacelia.....	62
Lewis buckwheat .....	29
Matted cowpie buckwheat .....	36
Newberry's milkvetch.....	5
Owyhee milkvetch .....	11
Packard's cowpie buckwheat.....	34
Rigid threadbush .....	50
Simpson's hedgehog cactus.....	52
Slickspot peppergrass.....	45
Snake River milkvetch.....	7
Spine-noded milkvetch .....	58
Spreading gilia .....	40
Two-headed onion .....	1
White eatonella .....	23
White-margined wax plant.....	38
Woven-spore lichen .....	69

## INTRODUCTION

This collection of information includes all known to occur or expected to occur special status plant species in the Jarbidge Resource Area of the Twin Falls District, Idaho BLM. It was compiled for use by field personnel and contains photographs, line drawings, and general location maps, when available.

The Bureau of Land Management (BLM) manages special status species under the policy established in the BLM Manual (Section 6840) in addition to requirements set forth under the Endangered Species Act. State laws protecting species applies to all BLM programs and actions to the extent that they are consistent with the Federal Land Policy and Management Act (FLPMA). An annual Memorandum of Understanding between the Idaho Department of Fish and Game and the BLM State Director sets forth a list of special status species which BLM will manage for. Species are ranked by BLM Type which is as follows:

### **Type 1. Threatened, Endangered, Proposed and Candidate Species**

These species are listed by the FWS as threatened or endangered, or they are proposed or candidates for listing under the Endangered Species Act.

### **Type 2. Rangewide/Globally Imperiled Species – High Endangerment**

These species that have a high likelihood of being listed in the foreseeable future due to their global rarity and significant endangerment factors.

### **Type 3. Rangewide/Globally Imperiled Species – Moderate Endangerment**

These are species that are globally rare with moderate endangerment factors. Their global rarity and inherent risks associated with rarity make them imperiled species.

### **Type 4. Species of Concern**

These are species that are generally rare in Idaho with small populations or localized distribution and currently have low threat levels. However, due to the small populations and habitat area, certain future land uses in close proximity could significantly jeopardize these species.

### **Type 5. Watch List**

Watch list species are not considered BLM sensitive species and associated sensitive species policy guidance does not apply. Watch list species include species that may be added to the sensitive species list depending on new information concerning threats and species biology or statewide trends.

The following are brief accounts of the sensitive plants in the Jarbidge Resource Area. Because the Jarbidge Resource Area includes a portion of the State of Nevada, plants listed by the Nevada BLM as special status species which occur or may occur within the Jarbidge Resource Area are also included in this document.

## Distribution by Vegetation Type and Habitat

\*found in specialized habitats within these communities

Aspen/tall forb and false hellebore/forb  
*Phacelia minutissima*

Mountain big sagebrush  
\**Astragalus yoder-williamsii*  
\**Primula cusickiana*

Low sagebrush  
*Allium anceps*  
*Astragalus yoder-williamsii*  
*Erigeron latus*  
*Eriogonum lewisii*  
*Ipomopsis polycladon*  
*Pediocactus simpsonii*  
\**Penstemon janishiae*

Wyoming sagebrush  
*Astragalus tetrapterus*  
*Chaenactis stevioides*  
\**Cymopterus acaulis greeleyorum*  
*Erigeron latus*  
*Nemacladus rigidus*  
*Pediocactus simpsonii*  
\**Lepidium papilliferum*  
*Texosporium sancti-jacobi*

Wyoming sagebrush-shadscale  
*Astragalus newberryi castoreus*  
*Chaenactis stevioides*  
\**Cymopterus acaulis greeleyorum*  
*Eatonella nivea*  
\**Eriogonum shockleyi* (both varieties)  
*Ipomopsis polycladon*  
*Nemacladus rigidus*  
*Pediocactus simpsonii*

Playa (large hard-bottomed)  
*Lepidium davisii*  
*Lepidium papilliferum*

Rhyolitic canyon walls or base of cliffs  
*Leptodactylon glabrum*

Springs and/or transition zones  
*Phacelia minutissima*

Salt desert shrub  
*Astragalus newberryi castoreus*  
*Catapyrenium congestum*  
\**Cleomella plocasperma*  
*Cymopterus acaulis greeleyorum*  
*Eatonella nivea*  
*Eriogonum ochrocephalum calcareum*  
\**Eriogonum shockleyi* (both varieties)  
*Ipomopsis polycladon*  
*Glyptopleura marginata*  
*Nemacladus rigidus*  
*Peteria thompsoniae*  
\**Penstemon janishiae*

Greasewood  
*Cleomella plocasperma*  
*Glyptopleura marginata*

Riparian/Wetland  
*Epipactis gigantea*  
*Teucrium canadense occidentale*

Horsebrush  
*Chaenactis stevioides*  
*Ipomopsis polycladon*

Indian ricegrass  
*Chaenactis stevioides*  
*Cymopterus acaulis greeleyorum*

Needle-&-thread/Indian ricegrass  
*Astragalus purshii ophiogenes*

Black sagebrush (calcareous sites)  
*Aspicilia fruticulosa*

Meadow  
*Phacelia minutissima*

Mountain mahogany  
*Primula cusickiana*

Rabbitbrush/disturbed Wyoming big  
sagebrush sites  
*Texosporium sancti-jacobi*

## Distribution by Soil Characteristics and Hydrology

### Coarse sand

*Astragalus purshii ophiogenes*  
*Chaenactis stevioides*  
*Ipomopsis polycladon*  
*Glyptopleura marginata*  
*Nemacladus rigidus*

### Fine alluvial sand

*Astragalus purshii ophiogenes*  
*Eatonella nivea*  
*Ipomopsis polycladon*  
*Nemacladus rigidus*

### Lakebed sediment badlands

*Astragalus newberryi castoreus*  
*Cymopterus acaulis greeleyorum*  
*Eriogonum shockleyi* (both varieties)  
*Glyptopleura marginata*  
*Peteria thompsoniae*  
*Penstemon janishiae*

### Volcanic ash

*Aspicilia fruticulosa*  
*Cymopterus acaulis greeleyorum*  
*Glyptopleura marginata*  
*Peteria thompsoniae*  
*Penstemon janishiae*

### Oolitic limestone

*Eriogonum shockleyi* (both varieties)

### Rhyolitic cliffs and talus

*Leptodactylon glabrum*

### Playa or natic areas

*Allium anceps*  
*Lepidium davisii*  
*Lepidium papilliferum*

### Calcareous hot or cold springs

*Epipactis gigantean*

### Sandy or tuffaceous soils

*Astragalus tetrapterus*

### Gravelly desert “pavement”

*Eriogonum shockleyi* (both varieties)  
*Glyptopleura marginata*  
*Pediocactus simpsonii*

### Clay

*Cleomella plocasperma?*  
*Eriogonum ochrocephalum calcareum*  
*Penstemon janishiae*  
*Primula cusickiana*

### Silt loam

*Ipomopsis polycladon*

### Loam

*Astragalus yoder-williamsii*  
*Primula cusickiana*

### Thin soil over basalt

*Erigeron latus*  
*Pediocactus simpsonii*

### Volcanic cinder

*Astragalus yoder-williamsii*  
*Eatonella nivea*  
*Erigeron latus*  
*Glyptopleura marginata*  
*Nemacladus rigidus*  
*Peteria thompsoniae*  
*Pediocactus simpsonii*

### Streambanks

*Epipactis gigantea*  
*Teucrium canadense occidentale*

### Clay loam

*Primula cusickiana*  
*Texosporium sancti-jacobi*

### Barren or slightly natic sites

*Catapyrenium congestum*  
*Eriogonum lewisii*

Seasonally wet areas

Allium anceps  
Phacelia minutissima  
Primula cusickiana

Thin soil over granitic rock  
Astragalus yoder-williamsii  
Erigeron latus

Moist bottom-lands

Teucrium canadense occidentale